

REMARKS

This is a full and timely response to the Office Action mailed September 23, 2005, submitted concurrently with a one month extension of time to extend the due date for response to January 23, 2006.

By this Amendment, claims 6 and 28 have been amended to overcome the Examiner's rejection under 35 U.S.C. §112, first paragraph, and to more particularly define the present invention. Further, claims 1-5, 7 and 11-27 have been canceled to delete the non-elected claims. Support for the claim amendments can be found variously throughout the specification and the original claims, see for example, page 1, lines 8-11, of the specification. Thus, claim 6, 8-10 and 28 are pending in this application.

In view of these amendments, Applicant believes that all pending claims are in condition for allowance. Reexamination and reconsideration in light of the above amendments and the following remarks is respectfully requested.

Rejection under 35 U.S.C. §112

Claims 6 and 8 are rejected under 35 U.S.C. §112, first paragraph, as allegedly failing to comply with the written description requirement. Applicant respectfully traverses this rejection. However, to expedite the allowance of the present application, Applicant has amended claim 6 to delete the phrase "*wherein at least one of R^1 and R^2 is not ethyl group, or at least one of R^3 , R^4 and R^5 is not a hydrogen atom*" which is the basis of the Examiner's rejection. Thus, withdrawal of this rejection is respectfully requested.

Rejection under 35 U.S.C. §102

Claim 28 is rejected under 35 U.S.C. §102(b) as allegedly being anticipated by Mann et al. (Journal f. Prakt. Chemie., 1981, Vol. 323, No. 5, pages 785-792). Applicant respectfully traverses this rejection.

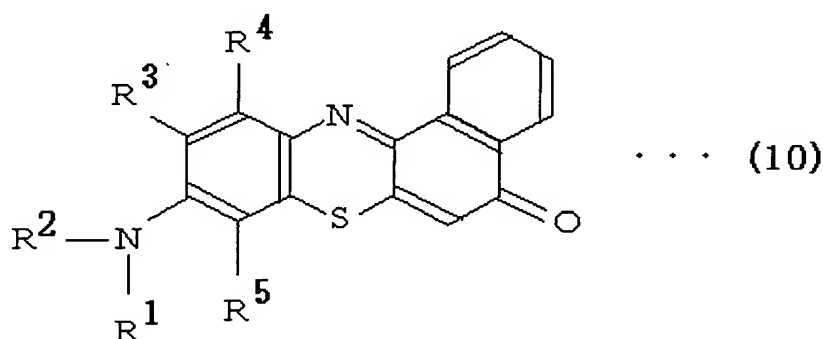
Applicants have amended claim 28 to more particularly recite that the Nile red luminescent compound "*emits red light upon an application of electric energy*". Such aspects of the present invention are clearly shown in the Examples of the specification and are not disclosed in the teachings of Mann et al. As the Examiner knows, to constitute anticipation of the claimed invention, the cited reference must disclose each and every limitation of the claims.

Thus, withdrawal of this rejection is respectfully requested.

Rejection under 35 U.S.C. §103

Claim 6 is rejected under 35 U.S.C. §103(a) as allegedly being unpatentable over Mann et al. (Journal f. Prakt. Chemie., 1981, Vol. 323, No. 5, pages 785-792). Applicant respectfully traverses this rejection.

Applicants have amended claim 6 to specify only those luminescent compounds having “a structure represented by formula (10):



wherein R^1 forms $-CH_2CH_2-CR^6R^7-$ together with R^3 (wherein the carbon atom of $-CR^6R^7-$ moiety is bound to the benzene moiety of the formula (10), each of R^6 and R^7 is hydrogen atom or an alkyl group, and R^6 and R^7 may be the same or different from each other); R^2 forms $-CH_2CH_2-CR^8R^9-$ together with R^5 (wherein the carbon atom of $-CR^8R^9-$ moiety is bound to the benzene moiety of the formula (10), each of R^8 and R^9 is hydrogen atom or an alkyl group, and R^8 and R^9 may be the same or different from each other); R^3 forms $-CH_2CH_2-CR^6R^7-$ with R^1 , or forms with R^4 a naphthalene ring including as a part thereof the benzene moiety of the formula (10); R^4 forms with R^3 a naphthalene ring including as a part thereof the benzene moiety of the formula (10); and R^5 forms $-CH_2CH_2-CR^8R^9-$ with R^2 . Mann et al. do not teach or suggest compounds having such distinct structures. Further, Mann et al. fails to teach or suggest the effects and advantages of the compounds recited in amended claim 6 (i.e. emission of red light upon an application of electric energy).

Thus, withdrawal of this rejection is respectfully requested.

CONCLUSION

For the foregoing reasons, all of the claims now pending in the present application are believed to be clearly patentable over the outstanding rejection. Accordingly, favorable reconsideration of the claims in light of the above remarks is courteously solicited. If the Examiner has any comments or suggestions that could place this application in even better form, the Examiner is requested to telephone the undersigned attorney at the below-listed number.

Dated: January 23, 2006

Respectfully submitted,

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Should additional fees be necessary in connection with the filing of this paper, or if a petition for extension of time is required for timely acceptance of same, the Commissioner is hereby authorized to charge Deposit Account No. 180013 for any such fees; and applicant(s) hereby petition for any needed extension of time.